

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail

Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
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(703) 746-4000

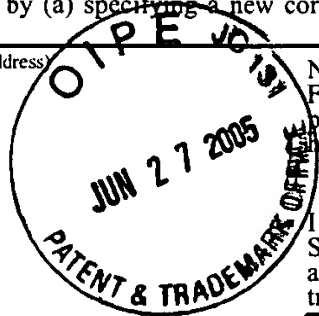
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INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

7590 03/23/2005

WAGNER, MURABITO & HAO LLP
 TWO NORTH MARKET STREET
 THIRD FLOOR
 SAN JOSE, CA 95113



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Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (703) 746-4000, on the date indicated below.

Judy Davenport

(Depositor's name)

Judy Davenport

(Signature)

06/22/05

(Date)

06/28/2005 MBERHE1 00000026 09954453

01 FC:2501
 02 FC:8001

700.00 OP
 30.00 OP

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 09/954,453 | 09/12/2001 | Sudeep Bhoja | BEAR-P013 | 7526 |

TITLE OF INVENTION: METHOD AND APPARATUS FOR ELIMINATING DEAD ZONE IN PHASE LOCKED LOOPS USING BINARY QUANTIZED PHASE DETECTORS

| APPLN. TYPE | SMALL ENTITY | ISSUE FEE | PUBLICATION FEE | TOTAL FEE(S) DUE | DATE DUE |
|----------------|--------------|-----------|-----------------|------------------|------------|
| nonprovisional | YES | \$700 | \$0 | \$700 | 06/23/2005 |

| EXAMINER | ART UNIT | CLASS-SUBCLASS |
|-----------|----------|----------------|
| CAO, CHUN | 2115 | 713-500000 |

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
- ☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively,
- (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 _____
 2 _____
 3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Big Bear Networks, Inc.

Milpitas, CA

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☒ Corporation or other private group entity ☐ Government

4a. The following fee(s) are enclosed:

- ☒ Issue Fee
- ☐ Publication Fee (No small entity discount permitted)
- ☒ Advance Order - # of Copies 10

4b. Payment of Fee(s):

- ☒ A check in the amount of the fee(s) is enclosed.
- ☐ Payment by credit card. Form PTO-2038 is attached.
- ☒ The Director is hereby authorized to charge the required fee(s), or credit any overpayment, to Deposit Account Number 23-0085 (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above. NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature

John P. Wagner, Jr.

Date

6/22/05

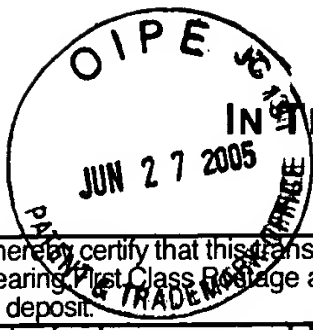
Typed or printed name

Registration No.

35,398

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Docket No.: BBNT-T013

I hereby certify that this transmittal of the below described document is being deposited with the United States Postal Service in an envelope bearing First Class Postage and addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the below date of deposit.

| | | | | | |
|------------------|----------|------------------------------------|----------------|---|--|
| Date of Deposit: | 06/22/05 | Name of Person Making the Deposit: | Judy Davenport | Signature of the Person Making the Deposit: | |
|------------------|----------|------------------------------------|----------------|---|--|

Inventor(s): Sudeep Bhoja, John S. Wang, and Christopher R. Cole

Serial No.: 09/954,453

Group Art Unit: 2115

Filed: 09/12/01

Examiner: Cao, Chun

Confirmation No: 7526

Title: METHOD AND APPARATUS FOR ELIMINATING DEAD ZONE IN PHASE LOCKED LOOPS USING BINARY QUANTIZED PHASE DETECTORS

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450
ATTENTION: Mail Stop Issue Fee
Sir:

TRANSMITTAL OF PAYMENT OF ISSUE FEE (37 CFR 1.311)

- Applicant hereby pays the issue fee for the attached Issue Fee Transmittal PTOL-85
- ☒ Applicant is other than a small entity

Fee Calculation

| (for other than a small entity) | | | | Total |
|---------------------------------|-------------------------------------|----------|--|---------------|
| Application Status is: | Small Entity | | | |
| Fee (CFR 1.18(a) and (b)): | <input checked="" type="checkbox"/> | \$700.00 | | 700.00 |
| Additional Copies (10 @ \$3.00) | | | | 30.00 |
| Total Fees | | | | 730.00 |

PAYMENT OF FEES

- The full fee due in connection with this communication is provided as follows:
 - ☒ The Commissioner is hereby authorized to charge any additional fees associated with this communication or credit any overpayment to Deposit Account No.: 23-0085.
A duplicate copy of this authorization is enclosed.
 - ☒ A check in the amount of \$730.00
 - ☐ Charge any fees required or credit any overpayments associated with this filing to Deposit Account No.: 23-0085.

Please direct all correspondence concerning the above-identified application to the following address:


WAGNER, MURABITO & HAO LLP
Two North Market Street, Third Floor
San Jose, California 95113
(408) 938-9060

Respectfully submitted,

Date: _____

6/22/05

By: _____


John P. Wagner, Jr.
Reg. No.: 35,398